



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: REX LUMBER, LLC
FACILITY NAME: REX LUMBER, TROY, LLC
FACILITY/PERMIT NO.: 210-S006
LOCATION: TROY, PIKE COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

Pursuant to the Clean Air Act of 1990, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the Clean Air Act of 1990 are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.

Issuance Date: Draft
Effective Date: Draft
Expiration Date: Draft

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General Permit Provisos

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<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The Permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the Permittee.</p> <p>(b) The Permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p> <p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>ADEM Admin. Code r. 335-3-16-.02(6)</p> <p>ADEM Admin. Code r. 335-3-16-.12(2)</p> <p>ADEM Admin. Code r. 335-3-16-.05(e)</p> <p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p> <p>ADEM Admin. Code r. 335-3-16-.05(h)</p>

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<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	ADEM Admin. Code r. 335-3-16-.05(i)
<p>7. <u>Submission of Information</u></p> <p>The Permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the Permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p>	ADEM Admin. Code r. 335-3-16-.05(j)
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	ADEM Admin. Code r. 335-3-16-.05(k)
<p>9. <u>Certification of Truth, Accuracy, and Completeness</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	ADEM Admin. Code r. 335-3-16-.07(a)
<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <p>(a) Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</p> <p>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</p>	ADEM Admin. Code r. 335-3-16-.07(b)

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<p>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p>	
<p>11. Compliance Provisions</p>	
<p>(a) The Permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The Permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p>	<p>ADEM Admin. Code r. 335-3-16-.07(c)</p>
<p>12. Compliance Certification</p>	
<p>The Permittee shall submit a complete and accurate compliance certification by July 30th of each year for each annual reporting period of this permit (May 30th – May 29th).</p> <p>(a) The compliance certification shall include the following:</p> <ol style="list-style-type: none">(1) The identification of each term or condition of this permit that is the basis of the certification;(2) The compliance status;(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);(4) Whether compliance has been continuous or intermittent;(5) Such other facts as the Air Division may require to determine the compliance status of the source; <p>(b) The compliance certification shall be submitted to:</p>	<p>ADEM Admin. Code r. 335-3-16-.07(e)</p>

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<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Air Division at least (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none">(1) Identification of the specific facility to be taken out of service as well as its location and permit number;(2) The expected length of time that the air pollution control equipment will be out of service;(3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period;(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;(5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	<p>ADEM Admin. Code r. 335-3-1-.07(1),(2)</p>
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>

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<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p> <p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <ol style="list-style-type: none">(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;(3) By paving;(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions. <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Air Division prior to utilization.</p>	<p>ADEM Admin. Code r. 335-3-1-.08</p> <p>ADEM Admin. Code r. 335-3-4-.02</p>
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>ADEM Admin. Code r. 335-3-16-.13 and 335-3-16-.14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)2.</p>

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<p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> <p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p>	
<p>21. Reporting Requirements</p> <p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p>
<p>22. Emission Testing Requirements</p> <p>Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 20 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p>	<p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p>

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<p>25. Title VI Requirements (Refrigerants)</p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR §82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(a)</p>
<p>26. Chemical Accidental Prevention Provisions</p> <p>If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p>	<p>40 CFR Part 68</p>
<p>27. Display of Permit</p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.</p>	<p>ADEM Admin. Code r. 335-3-14-.01(1)(d)</p>

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28. Circumvention

No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.

ADEM Admin. Code r.
335-3-1-.10

29. Visible Emissions

Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.

ADEM Admin. Code r.
335-3-4-.01(1)

30. Fuel-Burning Equipment

Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.03.

ADEM Admin. Code r.
335-3-4-.03

Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-5-.01.

ADEM Admin. Code r.
335-3-5-.01

31. Process Industries – General

Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.04.

ADEM Admin. Code r.
335-3-4-.04

32. Averaging Time for Emission Limits

Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.

ADEM Admin. Code r.
335-3-1-.05

33. Open Burning

Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.

ADEM Admin. Code r.
335-3-3-.01

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34. Permit Shield

A Permit Shield exists under this operating permit in accordance with ADEM Admin. Code r. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in this operating permit.

ADEM Admin. Code r.
335-3-16-.10

Emission Unit No. 001 (Green End)

Summary Page

Description: Log Debarker, Sawmill and Three (3) Sawdust Storage Silos w/Cyclones

Permitted Operating Schedule: 8,760 hr/yr

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
Log DB	Log Debarker	PM	Contain emissions within a building or hood (BACT)	ADEM Admin. Code r. 335-3-14-.04
		PM ₁₀		
		PM _{2.5}		
Sawmill	Sawmill	PM		
		PM ₁₀		
		PM _{2.5}		
SDS-1, SDS-2 and SDS-3	Sawdust Silo Cyclones	PM	E = 3.59P ^{0.62}	ADEM Admin. Code r. 335-3-4-.04(1)
			0.438 lb/hr and 0.0075 gr/dscf (BACT)	ADEM Admin. Code r. 335-3-14-.04
		PM ₁₀	0.436 lb/hr and 0.0074 gr/dscf (BACT)	ADEM Admin. Code r. 335-3-14-.04
		PM _{2.5}	0.436 lb/hr and 0.0074 gr/dscf (BACT)	ADEM Admin. Code r. 335-3-14-.04
		VE	≤ 10% Opacity (BACT)	ADEM Admin. Code r. 335-3-14-.04

Emission Unit No. 001 (Green End)

Unit Specific Provisos

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<p>1. <u>Applicability</u></p> <p>(a) These processes are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These sources are subject to a Best Available Control Technology (BACT) limit for particulate matter (PM), established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".</p> <p>2. <u>Emission Standards</u></p> <p>(a) The Permittee shall not cause or allow particulate matter to be emitted from the Sawdust Storage Silos System in excess of 0.438 lb/hr and 0.0075 gr/dscf.</p> <p>(b) The Permittee shall not cause or allow particulate matter less than 10 microns in diameter to be emitted from the Sawdust Storage Silos System in excess of 0.436 lb/hr and 0.0074 gr/dscf.</p> <p>(c) The Permittee shall not cause or allow particulate matter emissions less than 2.5 microns to be emitted from the Sawdust Storage Silos System in excess of 0.436 lb/hr and 0.0074 gr/dscf.</p> <p>(a) The Permittee shall not cause or allow the Sawdust and Storage Silos System to discharge visible emissions with an opacity greater than 10%.</p> <p>(b) The Permittee shall maintain the equipment associated with the Log Debarker and the green end of the Sawmill in such a manner that fugitive emissions from the processes are contained within a building or hood.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate from this unit shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5 or other methods approved by the Air Division.</p> <p>(b) If testing is required, the visible emissions from this process shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

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<p>(c) If testing is required, the particulate emissions from this process equal to or less than 10 and 2.5 microns in diameter shall be determined in accordance with 40 CFR Part 51, Appendix M, Method 201A and 202, or other methods approved by the Air Division.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>4. <u>Emission Monitoring</u></p>	
<p>(a) While the process is operating, someone familiar with the processes shall observe the Sawdust Storage Silos System cyclones (SDS-1, SDS-2, and SDS-3), a minimum of once daily during daylight hours for any visible emissions.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p>(b) Whenever visible emissions are noted, the Permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been eliminated.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p>(c) The cyclones shall be physically inspected to assure that the device has been properly maintained and operates as designed at least annually, but more frequently whenever visible emissions are observed. If the results of the inspection indicate that cleaning and/or maintenance is needed, such action shall be initiated within 24 hours of completing the inspection.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p>	
<p>(a) For the emission monitoring performed in accordance with Section 4 above, the Permittee shall maintain records in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:</p> <p>(i) The date, time, and results of any monitoring performed;</p> <p>(ii) The date(s), time, nature, and results of any corrective action taken when an excursion from a monitoring parameter occurs.</p> <p>(iii) The dates, times and results of inspections and cleanings conducted on the cyclones.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p>(b) The Permittee shall maintain records of total lumber production, including monthly production and 12-month rolling totals. Within ten (10) days of the end of each calendar month, records of the total throughput for the last calendar month shall be recorded and the rolling 12-month total updated.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>

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<p>(c) For the emission monitoring performed in accordance with Proviso No. 4 above, the Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include the following information for these emission units:</p> <ul style="list-style-type: none"> (i) A statement as to whether all observations for visible emissions were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed; (ii) A statement as to whether the annual inspection of each cyclone was accomplished during the reporting period, and if so, the date and results of the inspection; (iii) The date(s), time, nature, and results of any corrective action taken when (1) any visible emissions were observed from a cyclone or (2) an inspection of a cyclone indicated that cleaning or emissions-related maintenance was needed. (iv) Each 12-month rolling total of lumber production calculated during the reporting period. 	<p>ADEM Admin. Code r. 335-3-16-.05</p>

Emission Unit No. 002 (Dry Kilns)

Summary Page

Description: Two (2) 120,000 MBF/yr Continuous Lumber Dry Kilns (CDK-1 & CDK-2), each with a 40 MMBtu/hr Wood-Fired Burner

Permitted Operating Schedule: 8,760 hr/yr

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
CDK1 and CDK2	Lumber Dry Kilns	PM	$E = 3.59P^{0.62}$	ADEM Admin. Code r. 335-3-4-.04(1)
			0.14 lb/MBF and 1.92 lb/hr (BACT)	ADEM Admin. Code r. 335-3-14-.04
		PM ₁₀	0.103 lb/MBF and 1.41 lb/hr (BACT)	ADEM Admin. Code r. 335-3-14-.04
		PM _{2.5}	0.099 lb/MBF and 1.36 lb/hr (BACT)	ADEM Admin. Code r. 335-3-14-.04
		VOC	4.41 lb/MBF and 60.46 lb/hr (BACT)	ADEM Admin. Code r. 335-3-14-.04
		NO _x	0.276 lb/MBF and 3.78 lb/hr (BACT)	ADEM Admin. Code r. 335-3-14-.04
		CO _{2e}	234 lb/MMBtu and 9,360 lb/hr (BACT)	ADEM Admin. Code r. 335-3-14-.04

Emission Unit No. 002 (Lumber Dry Kilns)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These sources are subject to a Best Available Control Technology (BACT) limit for particulate matter (PM), volatile organic compounds (VOC), oxides of nitrogen (NO_x), and carbon dioxide equivalent emissions (CO_{2e}) established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".</p> <p>(c) These sources are subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD, and to the NESHAP General Provisions, 40 CFR Part 63, Subpart A as provided in 40 CFR §63.2290 and Table 10 of Subpart DDDD.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-11-.06(81) and ADEM Admin. Code r. 335-3-11-.06(1)</p>
<p>2. <u>Emission Standards</u></p> <p>(a) The Permittee shall not cause or allow volatile organic compounds (WPP1) to be emitted from the kilns in excess of 4.41 lb/MBF and 60.46 lb/hr each.</p> <p>(b) The Permittee shall not cause or allow particulate matter to be emitted from the kilns in excess of 0.14 lb/MBF and 1.92 lb/hr each.</p> <p>(c) The Permittee shall not cause or allow particulate matter less than 10 microns to be emitted from the kilns in excess of 0.103 lb/MBF and 1.41 lb/hr each.</p> <p>(d) The Permittee shall not cause or allow particulate matter less than 2.5 microns to be emitted from the kilns in excess of 0.099 lb/MBF and 1.36 lb/hr each.</p> <p>(e) The Permittee shall not cause or allow NO_x to be emitted from the kilns in excess of 0.276 lb/MBF and 3.78 lb/hr each.</p> <p>(f) The Permittee shall not cause or allow CO_{2e} to be emitted from the kilns in excess of 234 lb/MMBtu and 9,360 lb/hr each as determined in accordance with test methods approved by the Air Division.</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p>

Federally Enforceable Provisos	Regulations
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate from these units shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5 or other test methods approved by the Air Division.</p> <p>(b) If testing is required, the particulate emissions from these units equal to or less than 10 and 2.5 microns in diameter shall be determined in accordance with 40 CFR Part 51, Appendix M, Method 201A and 202, or other methods approved by the Air Division.</p> <p>(c) If testing is required, the volatile organic compound emissions from these units shall be measured in accordance with EPA OTM 26, or other test methods approved by the Air Division.</p> <p>(d) If testing is required, the oxides of nitrogen emissions from these units shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 7E, or other test methods approved by the Air Division.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>4. <u>Emission Monitoring</u></p> <p>The Permittee shall measure and record the moisture content of the lumber as it exits the planer machine. The 12-month rolling average moisture content shall be $\geq 12\%$.</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The Permittee shall maintain records documenting its compliance with the preventive maintenance plan for the dry kilns.</p> <p>(b) The Permittee shall calculate and record the average monthly and 12-month rolling average lumber moisture content. Within ten (10) days of the end of each calendar month, records of the average lumber moisture content for the last calendar month shall be recorded and the rolling 12-month average updated.</p> <p>(c) The Permittee shall maintain records of total kiln production, including monthly production and 12-month rolling totals. Within ten (10) days of the end of each calendar month, records of the total throughput for the last calendar month shall be recorded and the rolling 12-month total updated.</p> <p>(d) If any of the kilns should exceed an applicable limit at any time, the Permittee shall notify the Air Division in writing within two working days of determining that the exceedance occurred.</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p>

Federally Enforceable Provisos	Regulations
<p>(e) The Permittee shall maintain records of lumber production and emission monitoring performed in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record.</p> <p>(f) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include:</p> <p>(ii) A certification that all preventative maintenance and emission monitoring activities were accomplished as required during the reporting period;</p> <p>(iii) The date(s), time, nature, and results of any corrective action taken when an excursion from preventive maintenance procedures or emission monitoring occurred or emissions-related maintenance was needed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05</p>

Emission Unit No. 003 (Planer Mill)

Summary Page

Description: Planer Mill and Shavings Storage Bin w/Cyclofilter

Permitted Operating Schedule: 8,760 hr/yr

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
PMC-1	Planer Mill Cyclofilter	PM	$E = 3.59P^{0.62}$	ADEM Admin. Code r. 335-3-4-.04(1)
			0.248 b/hr and 4×10^{-4} gr/dscf (BACT)	ADEM Admin. Code r. 335-3-14-.04
		PM ₁₀	0.246 lb/hr and 4×10^{-4} gr/dscf (BACT)	ADEM Admin. Code r. 335-3-14-.04
		PM _{2.5}	0.246 lb/hr and 4×10^{-4} gr/dscf (BACT)	ADEM Admin. Code r. 335-3-14-.04
		VE	$\leq 10\%$ Opacity (BACT)	ADEM Admin. Code r. 335-3-14-.04

Emission Unit No. 003 (Planer Mill)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These sources are subject to a Best Available Control Technology (BACT) limit for particulate matter (PM), established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".</p> <p>2. <u>Emission Standards</u></p> <p>(a) The Permittee shall not cause or allow particulate matter to be emitted from this unit in excess of 0.248 lb/hr and 4×10^{-4} gr/dscf.</p> <p>(b) The Permittee shall not cause or allow particulate matter less than 10 microns in diameter to be emitted from this unit in excess of 0.246 lb/hr and 4×10^{-4} gr/dscf.</p> <p>(c) The Permittee shall not cause or allow particulate matter emissions less than 2.5 microns to be emitted from this unit in excess of 0.246 lb/hr and 4×10^{-4} gr/dscf</p> <p>(d) The Permittee shall not cause or allow this unit to discharge visible emissions with an opacity greater than 10%.</p> <p>(e) The Permittee shall maintain the equipment associated with the Planer Mill in such a manner that fugitive emissions from the processes are contained within a building or hood.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate from this unit shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5 or other methods approved by the Air Division.</p> <p>(b) If testing is required, the visible emissions from this process shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p> <p>(c) If testing is required, the particulate emissions from this process equal to or less than 10 and 2.5 microns in diameter shall be determined in accordance with 40 CFR Part 51, Appendix M, Method 201A and 202, or other methods approved by the Air Division.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>4. <u>Emission Monitoring</u></p> <p>(a) While the process is operating, someone familiar with the process shall visually observe the cyclofilter exhaust (PMC-1) a minimum of once daily during daylight hours for the presence of any visible emissions.</p> <p>(b) Whenever visible emissions are noted, the Permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been eliminated.</p> <p>(c) The cyclofilter shall be physically inspected to assure that the device has been properly maintained and operates as designed at least annually, but more frequently whenever visible emissions are observed. If the results of the inspection indicate that cleaning and/or maintenance is needed, such action shall be initiated within 24 hours of completing the inspection.</p> <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) For the emission monitoring performed in accordance with Section 4 above, the Permittee shall maintain records in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:</p> <p>(i) The date, time, and results of any monitoring performed;</p> <p>(ii) The date(s), time, nature, and results of any corrective action taken when an excursion from a monitoring parameter occurs.</p> <p>(iii) The dates, times and results of inspections and cleanings conducted on the cyclofilter.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>

Federally Enforceable Provisos	Regulations
<p>(b) For the emission monitoring performed in accordance with Proviso No. 4 above, the Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include the following information for these emission units:</p> <ul style="list-style-type: none"> (i) A statement as to whether all observations for visible emissions were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed; (ii) A statement as to whether the annual inspection of the cyclofilter was accomplished during the reporting period, and if so, the date and results of the inspection; (iii) The date(s), time, nature, and results of any corrective action taken when (1) any visible emissions were observed from the cyclofilter or (2) an inspection of the cyclofilter indicated that cleaning or emissions-related maintenance was needed. 	<p>ADEM Admin. Code r. 335-3-16-.05</p>

Emission Unit No. 004 (Fire Pump Engine)

Summary Page

Description: 220 BHP, Combustion Ignition, Diesel-Fired Reciprocating Internal Combustion Emergency Fire Water Pump Engine (NSPS, IIII)

Permitted Operating Schedule: 8,760 hr/yr

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
Fire Pump	Emergency Fire Water Pump Engine	NOx + NMHC	4.0 g/kW-hr (3.0 g/hp-hr)	ADEM Admin. Code r. 335-10-.02(87) 40 CFR Part 60, Subpart IIII
		CO	3.5 g/kW-hr (2.6 g/hp-hr)	ADEM Admin. Code r. 335-10-.02(87) 40 CFR Part 60, Subpart IIII
		PM	0.20 g/kW-hr (0.15 g/hp-hr)	ADEM Admin. Code r. 335-10-.02(87) 40 CFR Part 60, Subpart IIII
		VOC	N/A	N/A
		HAP	N/A	N/A

Emission Unit No. 004 (Fire Pump Engine)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.</p> <p>(c) This unit is subject to the applicable provisions of 40 CFR Part 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, and 40 CFR Part 60, Subpart A as specified in Table 3 to Subpart III.</p> <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or allow the sum of emissions of non-methane hydrocarbons (NMHC) and nitrogen oxides (NOx) from this unit to exceed 4.0 g/kW-hr (3.0 g/hp-hr).</p> <p>(b) The permittee shall not cause or allow the emissions of carbon monoxides (CO) from this unit to exceed 3.5 g/kW-hr (2.6 g/hp-hr).</p> <p>(c) The permittee shall not cause or allow the emissions of particulate matter (PM) from this unit to exceed 0.20 g/kW-hr (0.15 g/hp-hr).</p> <p>(d) The permittee shall not purchase any diesel fuel for this unit that does not meet the following per-gallon standards of 40 CFR §80.510(b):</p> <p>(i) Sulfur content shall not exceed 15 parts per million (ppm); and</p> <p>(ii) Cetane index shall be a minimum of 40 <u>or</u> the aromatic content shall not exceed 35 percent by volume.</p> <p>(e) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>40 CFR Part 63, Subpart ZZZZ</p> <p>ADEM Admin. Code r. 335-3-10-.03(87) and 40 CFR Part 60, Subpart III</p> <p>40 CFR §60.4205(c)</p> <p>40 CFR §60.4205(c)</p> <p>40 CFR §60.4205(c)</p> <p>40 CFR §60.4207</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p>

Federally Enforceable Provisos	Regulations
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>The permittee shall operate and maintain the certified stationary CI internal combustion engine according to the manufacturer's emission-related written instructions and shall keep records of conducted maintenance to demonstrate compliance.</p>	<p>40 CFR §60.4206</p>
<p>4. <u>Emission Monitoring</u></p> <p>(f) The permittee shall install and operate a non-resettable hour meter on this unit.</p> <p>(g) The permittee shall not operate this unit except as provided in 40 CFR §60.4211(f)(1) through (f)(3), which include but may not be limited to:</p> <ul style="list-style-type: none"> (i) Emergency situations; (ii) A total of 100 hours per year or less for the purposes allowed by 40 CFR §60.4211(f)(2)(i)-(iii), which include maintenance checks and readiness testing, emergency demand response, and periods where deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency; and (iii) A total of 50 hours per year or less for the non-emergency situations allowed by 40 CFR §60.4211(f)(3); however, those 50 hours are counted towards the 100 hours per year allowed for maintenance checks and readiness testing, emergency demand response, and voltage or frequency deviations of 5 percent or greater. 	<p>40 CFR §60.4209</p> <p>40 CFR §60.4211(f)</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(h) The permittee shall keep the following records for this unit in accordance with 40 CFR §60.4214. At a minimum, these records shall include:</p> <ul style="list-style-type: none"> (i) A copy of all notifications submitted to comply with 40 CFR Part 60, Subpart III and all documentation supporting any notification; (ii) For each period of operation the permittee shall record the date and length of operation and the reason the engine was in operation during that time. For periods of operation designated as “emergency operation,” the records shall reflect what classified the operation as emergency. The permittee shall subtotal the total number of hours the engine was operated during a calendar year by the reason the engine was in operation; 	<p>ADEM Admin Code r. 335-3-16-.05(c) and 40 CFR §60.4214</p>

Federally Enforceable Provisos	Regulations
<p>(iii) Documentation from the manufacturer that the engine is certified to meet the applicable emission standards; and</p> <p>(iv) The dates and nature of maintenance performed.</p> <p>(i) The permittee shall maintain records of the sulfur content <u>and</u> either the Cetane index or aromatic content of the diesel fuel that is burned in this unit.</p> <p>(c) The permittee shall keep each required record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall keep each record readily accessible in hard copy or electronic form on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records off site for the remaining 3 years.</p> <p>(d) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual period (January 1st - June 30th and July 1st - December 31st). The report shall include a statement certifying all emission monitoring was conducted as required during the reporting period. If all emission monitoring was not conducted, the report shall explain the reason(s) why it was not performed.</p>	<p>ADEM Admin Code r. 335-3-16-.05(c) and 40 CFR §60.4214</p> <p>ADEM Admin Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>